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1   Reconfigurable hardware solutions for the digital rights management of digital cinema

G. Rouvroy, F.-X. Standaert, F. Lefebvre, J.-J. Quisquater, B. Macq, J.-D. Legat

October 2004   **DRM '04:** Proceedings of the 4th ACM workshop on Digital rights management

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Full text available: 📄 pdf (440.86 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 63,   Citation Count: 0

This paper presents a hardware implementation of a decoder for Digital Cinema images. This decoder enables us to deal with image size of 2K with 24 frames per second and 36 bits per pixels. It is the first implementation known nowadays that perfectly ...

Keywords: AES, DRM, FPGA, JPEG 2000, digital cinema, watermarking

2   SAFE-OPS: An approach to embedded software security

Joseph Zambreno, Alok Choudhary, Rahul Simha, Bhagi Narahari, Nasir Memon

February 2005   **Transactions on Embedded Computing Systems (TECS)**, Volume 4 Issue 1

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Full text available: 📄 pdf (556.27 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 14,   Downloads (12 Months): 119,   Citation Count: 2

The new-found ubiquity of embedded processors in consumer and industrial applications brings with it an intensified focus on security, as a strong level of trust in the system software is crucial to their widespread deployment. The growing area of *software* ...

Keywords: HW/SW codesign, Software protection

3 Efficient video encryption scheme based on advanced video coding

Shiguo Lian, Jinsheng Sun, Guangjie Liu, Zhiquan Wang

Additional Information: full citation, abstract, references, index terms

A video encryption scheme combining with advanced video coding (AVC) is presented and analyzed in this paper, which is different from the ones used in MPEG1/2 video encryption. In the proposed scheme, the intra-prediction mode and motion vector difference ...

Keywords: AVC, Digital right management, Multimedia content protection, Video encryption